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(54) Title: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE TO AN EPITOPE OF THE NKG2D RECEPTOR COMPLEX

(57) Abstract: The present invention relates to a multifunctional polypeptide comprising a first domain comprising a binding site specifically recognizing an extracellular epitope of the NKG2D receptor complex and a second domain having receptor or ligand function. Furthermore, the present invention relates to polynucleotides encoding the multifunctional polypeptide, to vectors comprising said polypeptides and to cells comprising said polynucleotides or said vectors. The invention also relates to compositions comprising either of the above recited molecules, alone or in combination, as well as to specific medical uses of the multifunctional polypeptide of the invention.

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